

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Anyone be Boatanchoring on 3525 tonight?
Message-ID: <199509081626.MAA21807@cc01du.unity.ncsu.edu>

Anyone have an interest in Boatanchoring on 3525khz tonight at any time from 0001-0500 or so?

If there is any interest, I will fire up the 1920's Hartley and sees wats mees can sees (.....or 'ears.....(:+}}.....).

Puts yer monies ware yer mouth it be, an' fires up them thar bottleburners before theys gets thar smoke a'loose amidst the ether.

BAF

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: Re: BA Sighting! [movies again]
Message-ID: <9509080901.AA01148@kali>

----- Begin Included Message -----

From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: BA Sighting!

BTW, periodically there has been some question raised here about the National receiver installed in the B-17 "Mary Ann" in the movie "Air Force". I recently saw something about it, and about a lot of the boatanchors seen in WW2 period "propaganda" films.

I can't say for sure, but I think the Mary Ann's receiver is a National 1-10.

----- End Included Message -----

That was probably me asking about Air Force. I don't think those are 1-10s, because if I remember right, the movie radios had three large connectors on the bottom left of the box, and there were two or three small flat-skirted knobs on the right. Whatever it was, there was a pair of them installed high up in the plane.

I would also like to know what the Collins-esque (and not Racal)

rigs were in the shore station on FATHER GOOSE (Cary Grant).

--Andy
wallace@mc.com

P.S. Didn't the "dad" on the sitcom ALF have a Heath station? And as usual...some weird not-possible callsign?

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: Andrew Dumas <adumas1@ix.netcom.com>
Subject: BA Wanted/For Sale List
Message-ID: <199509081055.DAA03908@ix4.ix.netcom.com>

Greetings, gang,

The latest edition of the BA Wanted/For Sale List is now available via email. Anything that reached me by 9 PM EDT Wednesday is included.

If you sent me an addition, deletion or change, get the latest copy of the BA W/FS list and check your entries. If your entry is not there or not how you wanted it, don't take it personally and walk away grumbling; I still love you all. Your email most probably fell into the black hole that resides in my pc. Send me an email so that I'm aware of the problem.

Concerning the frequency of BA W/FS List updates: due to an increasingly heavy workload at my job and the occasional urge to play with a BA or two, it appears my initial idea of weekly/every Friday updates of the list was overly optimistic. Typically, expect to see updates available every 7-10 days. You get what you pay for... 8-;

Additions/deletions/corrections should be sent to me at adumas1@ix.netcom.com. Please send them to me in the same format as the other entries on the list. Thanks go out to all of you who have done this already.

To receive a copy of the BA Wanted/For Sale List via email: send an email to: listproc@theporch.com. Leave the subject blank, in the body type: get boatanchors bawanted.forsale. A copy of the latest edition available should arrive in your mailbox a while later.

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: BA wanted/forsale list
Message-ID: <9509081344.AA20650@syseng1.se.melpar.esys.com>

listproc@theporch.com keeps telling me it ain't there! Que pasa?

Paul, K4MSG

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: RE: BA wanted/forsale list
Message-ID: <35998.owen@apollo.eeel.nist.gov>

In message Fri, 8 Sep 1995 08:47:03 -0500 (CDT),
pbock@melpar.esys.com (Paul H. Bock) writes:

> listproc@theporch.com keeps telling me it ain't there! Que pasa?

>

> Paul, K4MSG

>

I had the same trouble Paul, Andy made a mistake in his instruction. We
need to rib him a little -- are you listening Andy? It's get boatanchors
bawant.forsale NOT get boatanchors bawanted.forsale

73 K4CGY

James C. Owen, III
National Institute of Standards & Technology (NIST)
Bldg 225/B360
Gaithersburg, MD 20899
1-301-975-5623

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: Mikhael Brown <mikhael@hpcmpp13.sj.hp.com>
Subject: Re: BOATANCHORS digest 203shape. Only drawback-has the wrong bandswitch
knob. \$75.00 Shipped
Message-ID: <199509081655.AA070549339@hpcmpp13.sj.hp.com>

>

> BOATANCHORS Digest 203

>

> Topics covered in this issue include:

>

> 1) Need info on old key
> by "Turini, Bill" <turinib@wdni.com>
> 2) Drake C line Knobs
> by "James C. Owen, III" <owen@apollo.eeel.nist.gov>
> 3) Wired Telegraphy (Common Carrier)
> by wendler@tomcat.adc.ray.com (John Wendler)

> 4) Re: Wired Telegraphy (Common Carrier)
> by bill@texan.frco.com (William Hawkins)
> 5) Wired Telegraphy (Common Carrier)
> by pbock@melpar.esys.com (Paul H. Bock)
> 6) Who is looking for a PRO-310?
> by Schroeder.Wbst207V@xerox.com
> 7) Re: Wired Telegraphy (Common Carrier)
> by "Dave Emery" <die@pig.die.com>
> 8) Re: Wired Telegraphy (Common Carrier)
> by mallick@orion.crd.ge.com (John Mallick)
> 9) Re: Wired Telegraphy (Common Carrier)
> by wier@bobcat.etsu.edu (Bob Wier)
> 10) RE: HAMMARLUND
> by Sean McCarthy <wx8l@vtc.tacom.army.mil>
> 11) Re: Tube substitutions
> by Steve Ellington <n4lq@iglou.com>
> 12) Re: Capacitance-Resistance-Ratio bridge
> by Michael.J.Knudsen@att.com
> 13) Re: RG-214/Surplus Sales Question
> by "David W. Barts" <davidb@ce.washington.edu>
> 14) SX-122A2
> by Kevin J Pease <kevin@mm1001.theporch.com>
> 15) Re: Wired Telegraphy (Common Carrier)
> by wa6jpr@engsrv.qsc.com (Wally Linstruth - WA6JPR)
> 16) Re Old Key
> by TOM.A.ADAMS@mail.admin.wisc.edu
> 17) Re: Tube substitutions
> by Michael.J.Knudsen@att.com
> 18) Carrier Current Stations
> by TOM.A.ADAMS@mail.admin.wisc.edu
> 19) Re: Wired Telegraphy (Common Carrier)
> by Steven Wilson <randyw@crl.com>
> 20) Re: Need info on old key
> by Neal McEwen <nmcewen@metronet.com>
> 21) S-38B follow-up
> by Andy Wallace <wallace@mc.com>
> 22) Little knob spring inserts
> by Andy Wallace <wallace@mc.com>
> 23) Please, Gang... Careful with your replies
> by Fire Bottle archive handler <firebotl@jackatak.theporch.com>
> 24) Looking for Gonset II/III
> by digger@phantom.com (Lenny Tamulonis)
> 25) FS: Hammarlund HXL-ONE
> by W7FG@aol.com
> 26) Gaithersburg Hamfest
> by W3BJZ@aol.com
> 27) Re: Tube substitutions
> by Andy Wallace <wallace@mc.com>

> 28) FS: BC-669 Xmit XTAL
> by n6nae@ix.netcom.com (Richard Humphrey)
> 29) boatanchor manufacturers of consumer audio/video
> by Andy Wallace <wallace@mc.com>
> 30) Re: Tube substitutions
> by bill@texan.frco.com (William Hawkins)
> 31) BA Sighting!
> by TOM.A.ADAMS@mail.admin.wisc.edu
>
> -----
>
> Date: Thu, 07 Sep 95 11:49:00 PDT
> From: "Turini, Bill" <turinib@wdni.com>
> To: "'BA Mailing List'" <boatanchors@theporch.com>
> Subject: Need info on old key
> Message-ID: <199509071856.NAA00724@uro.theporch.com>
>
>
> At the risk of incurring more wrath on non-specific BA comments (although I
> really like the discussion on old keys):
>
> Several years ago I picked up an old bug, and I have been trying to find
> information and a value of it. The nameplate says:
>
> Manufactured by
> O.M. Thomas Electric Co.
> St. Louis, Mo.
>
> No serial number. The base is shiney black paint (?) with a fine gold line
> 1/4" in from the edge that goes all around the top. Mechanism is nickel
> plated.
>
> I corresponded with Dave Ingram, and he said that he had never seen or heard
> of one. I had it at a hamfest and a guy said:
>
> "It's not all original, you know. I have several in my collection.
> Not worth much.
> I'll take it off your hands for \$5."
>
> Right!
>
> The company is mentioned in the book "The Vibroplex Co., Inc. 1890 to 1990"
> at the bottom of page 17.
>
> Anyone have any other information on it? Any idea of what it's worth?
>
> Bill Turini KA4GAV/7 turinib@wdni.com
> Weyerhaeuser Co.

>
> -----
>
> Date: Thu, 7 Sep 1995 13:40:04 -0500 (EST)
> From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
> To: boatanchors@theporch.com
> Subject: Drake C line Knobs
> Message-ID: <49205.owen@apollo.eeel.nist.gov>
>
> Within the last week or so there was a question about the spinner knob for
> the Drake C line. Here is the story as I remember after 20+ years. In the
> mid seventy's I had a ham acquaintance who was an electronics rep. in Dayton
> and he had Drake as one of his accounts. I can't remember his call since it
> has been 18+ years since I have seen him. When he first got his license in
> about 1971 he bought a Drake TR4 and the thing he disliked was the knob
> turning required to go from one end of the band to the other. He remembered
> that he had a spinner knob in stock and tried it on the TR4. It matched and
> worked great. The next time he went to Drake he took one along to show them
> and they liked it so much that they included it on the line they were coming
> out with --the "C" line. They bought, to my knowledge, all their spinner
> knobs from him from that time on. At that time he gave me one of the knobs
> to use on the "B" line I had and in fact I still have the knob. The point
> I'm trying to make, and using up too much bandwidth doing it, is that the
> spinner knob was an off the shelf knob by a common supplier. Now all we/I
> have to do it try to find out who it was. If anyone has any old knob
> catalogs from the mid seventys please look and see if you can locate the
> manufacturer. The knob I have has a model number of S907 but no name.
> 73 Jim K4CGY
> James C. Owen, III
> National Institute of Standards & Technology (NIST)
> Bldg 225/B360
> Gaithersburg, MD 20899
> 1-301-975-5623
>
> -----
>
> Date: Thu, 7 Sep 95 15:28:53 EDT
> From: wendler@tomcat.adc.ray.com (John Wendler)
> To: boatanchors@theporch.com
> Subject: Wired Telegraphy (Common Carrier)
> Message-ID: <9509071928.AA15598@tomcat.adc.ray.com>
>
> I recently picked up a 1944 Radio Amateur's handbook.
> There was a section in there on "common carrier" (if I
> remember correctly) communications to get around wartime
> restrictions on rf transmissions. The idea was to use
> the power lines for wired communications; you chose a
> frequency that was low enough to pass through pole pigs

> but not so low as to interfere with the power company's
> transmissions, and not so high as to radiate significantly.
> The Handbook includes a 25 W transmitter design for this,
> along with the recommendation to make sure that common
> carrier transmissions were not blacked out in your area
> as well. The power grid routing and varying loads made
> distance predictions hard to make; the Handbook suggested
> ranges of blocks (in the city) to a few miles in the country.
> You can imagine the noise problems on receive. It sounded
> very much like a game for those who would die without their
> daily brass pound.
>
> Wonder what kind of fun you could have with that transmitter and
> your neighborhood BSR controllers, today?
>
> 73,
> John
>
> -----
>
> Date: Thu, 7 Sep 95 15:26:32 CDT
> From: bill@texan.frco.com (William Hawkins)
> To: boatanchors@theporch.com, wendler@tomcat.adc.ray.com
> Subject: Re: Wired Telegraphy (Common Carrier)
> Message-ID: <9509072026.AA06382@texan.frco.com>
>
> Close. It's carrier current. Power companies have used it for
> signaling for many years. Why put up signal wires when there's
> some already right there? :-)
>
> Did some work for an outfit called Hospital Radio in the '50's.
> All the steel in hospital construction made good radio reception
> difficult. The trick was to put up an antenna, and amplify the
> signal back up to a few watts and couple it to the hospital power
> line. Worked OK on the low voltage side of the Power Company's
> transformer. Then you put in coin operated radios for the
> patients.
>
> You wouldn't think you could amplify from antenna level to power
> line level without converting the frequency, but I don't remember
> that it changed frequency.
>
> Bill Hawkins bill@bvc.frco.com
>
> -----
>
> Date: Thu, 7 Sep 1995 16:31:45 -0400 (EDT)
> From: pbock@melpar.esys.com (Paul H. Bock)

> To: wendler@tomcat.adc.ray.com, boatanchors@theporch.com
> Subject: Wired Telegraphy (Common Carrier)
> Message-ID: <9509072031.AA05438@syseng1.se.melpar.esys.com>
>
> >There was a section in there on "common carrier" (if I
> >remember correctly) communications to get around wartime
> >restrictions on rf transmissions. The idea was to use
> >the power lines for wired communications; you chose a
> >frequency that was low enough to pass through pole pigs
> >but not so low as to interfere with the power company's
> >transmissions, and not so high as to radiate significantly.
> >The Handbook includes a 25 W transmitter design for this,
> >along with the recommendation to make sure that common
> >carrier transmissions were not blacked out in your area
> >as well. The power grid routing and varying loads made
> >distance predictions hard to make; the Handbook suggested
> >ranges of blocks (in the city) to a few miles in the country.
>
>
> Now called "carrier-current" broadcasting, it has been/is in
> use on college campuses and at private schools. In fact, there
> is one company which was in business in the 1960s & '70s which
> made a living selling complete studio and transmitter setups for
> this mode, named LPB, Inc. (for "Low Power Broadcasting").
> Bought a console from them for our (WSSV/WPLZ) FM production room
> (they made nice gear).
>
> Never actually worked at a carrier-current operation, but
> when I was at N.C. State they had such a station; range was
> confined to the main campus plus maybe a block or two beyond at
> best. While I was living in one of the large, new "X" dorms
> (1962) I used a Knight "Wireless AM Broadcaster" with the antenna
> connected to the building frame, plus a turntable and mike, to
> run a little "dorm DJ show" in the early evenings.
>
> How about using a 100 to 200-watt audio amp to drive two
> buried rods far enough apart to look like 4 ohms or so, and
> communicating with other like-minded individuals having a similar
> setup plus some kind of receiving apparatus? Never tried this,
> but always wanted to.....
>
> 73,
>
> Paul, K4MSG
>
>
>
>

> -----
>
> Date: Thu, 7 Sep 1995 12:35:23 PDT
> From: Schroeder.Wbst207V@xerox.com
> To: boatanchors@theporch.com
> Subject: Who is looking for a PRO-310?
> Message-ID: <"7-Sep-95 15:34:59".*.Schroeder.wbst207v@Xerox.com>
>
> I discarded the note from someone looking for a Hammarlund PRO-310(?).
>
> Managed to spend a few minutes at the AWA meet in Rochester NY this noon,
> saw a PRO-310 on one of the tables. The owner was not available so I
> couldn't get a price or address. Will try to go back and get the info if you
> drop me a note.
>
> Russ W2DYY
>
> schroeder.wbst207v@xerox.com
>
> -----
>
> Date: Thu, 7 Sep 1995 17:10:33 -0400 (EDT)
> From: "Dave Emery" <die@pig.die.com>
> To: pbock@melpar.esys.com
> Cc: boatanchors@theporch.com (Boatanchors List)
> Subject: Re: Wired Telegraphy (Common Carrier)
> Message-ID: <9509072110.AA00909@pig.die.com>
>
>
> >
> > How about using a 100 to 200-watt audio amp to drive two
> > buried rods far enough apart to look like 4 ohms or so, and
> > communicating with other like-minded individuals having a similar
> > setup plus some kind of receiving apparatus? Never tried this,
> > but always wanted to.....
> >
>
> As a 7th grader in 1960, a friend of mine and I did this with
> 20 watt Heathkit power amps. We were located about a mile apart
> and signals were intelligible but not wonderful. We were able to
> filter out most of the fundamental 60 hz stuff, but it turns out there
> are lots of lightning caused clicks and pops and even whistlers plus
> a fair amount of impulse noise from inductive loads being switched
> on and off.
>
> I've often thought it would have been fun to try RTTY over the
> link - but I got into RTTY (with old model 15s) a couple of years later
> and by that time the friend had moved to Long Island and I had nobody to

> try it with. Of course the RTTY stuff of the time generated massive
> spikes when the keyboard contacts switched the 60 ma loop. And my
> first (or second - I don't remember) RTTY converter back in that era
> used Polar Relays (remember those delightful boatanchors?) and generated
> huge spikes (which were hard to filter out of the antenna) which would
> have killed the weak lf signals.

>

>

> Dave Emery N1PRE

>

>

> -----

>

> Date: Thu, 7 Sep 95 17:23:39 EDT

> From: mallick@orion.crd.ge.com (John Mallick)

> To: pbock@melpar.esys.com

> Cc: boatanchors@theporch.com

> Subject: Re: Wired Telegraphy (Common Carrier)

> Message-ID: <9509072123.AA17937@orion.crd.ge.com>

>

> Paul wrote...

> >

> > How about using a 100 to 200-watt audio amp to drive two
> > buried rods far enough apart to look like 4 ohms or so, and
> > communicating with other like-minded individuals having a similar
> > setup plus some kind of receiving apparatus? Never tried this,
> > but always wanted to.....

> >

> > 73,

> >

> > Paul, K4MSG

> >

>

> I remember a Pop'tronics article from the early 60's which described
> doing just that, except they used a buried ground rod and the cold
> water pipe as the connection points. For a receiver, your buddy
> connected his magnetic headphones across the cold water pipe and
> another ground rod. I tried it out at my house when I was in high
> school, and you could hear something faintly at the house next door.
> Lots of really neat 60 Hz (60 cycle, oops...) hum and buzz came along
> for free. My audio amp really wasn't happy driving such a bizarre
> load either.

>

> 73, John WA1HNL

>

> -----

>

> Date: Thu, 7 Sep 1995 16:39:34 -0600

> From: wier@bobcat.etsu.edu (Bob Wier)
> To: boatanchors@theporch.com
> Subject: Re: Wired Telegraphy (Common Carrier)
> Message-ID: <9509072140.AA00655@bobcat.etsu.edu>
>
> |
> |Wonder what kind of fun you could have with that transmitter and
> |your neighborhood BSR controllers, today?
> |
> |73,
> |John
>
> That kind of puts me in mind of a funny story circa 1965 when I was an
> undergrad. We had a campus radio station which operated on carrier current
> on 550Khz in the dorms. Coverage was marginal at best. What we did was to
> have a transmitter in the basement of each dorm on the far side of the
> power transformer for that unit. To get the signal there, we had phone lines
> connected to the transmitters.
>
> One time we found out that we'd been transmitting a dial tone for six weeks :-)
> That was before auto disconnect switches became very common (especially on
private
> PBXs). The bad thing was that we had so few listeners that no one complained!
>
> Thanks & 73 de WB5KXH
>
>
>
> ----- Round Up the Usual Disclaimers! -----
> Bob Wier, keeper of the Photo-3D, Icom radio (WB5KXH),
> Overland Trails, and Motorola HC11 mailing lists
> wier@bobcat.etsu.edu
>
> "Kentucky women are possessed of strong stomachs. It is not
> considered an insult to invite them to take a drink."
> - Silverton Standard May 19th, 1901
>
>
>
> -----
>
> Date: Thu, 7 Sep 1995 18:24:47 -0400
> From: Sean McCarthy <wx81@vtc.tacom.army.mil>
> To: Multiple recipients of list <boatanchors@theporch.com>
> Subject: RE: HAMMARLUND
> Message-ID: <01BA7D4F.383E3800@wx81.tacom.army.mil>
>
>

>
> -----
> From: SP600@aol.com[SMTP:SP600@aol.com]
> Sent: Thursday, September 07, 1995 2:31 AM
> To: Multiple recipients of list
> Subject: HAMMARLUND
>
> Hello All!
>
> PRO-310 with matching speaker (Yes I know, I have a better chance of getting
hit by lightning than getting a PRO-310 !)
>
> Makes me think about trading mine, lets see I need a 51J-4 and an SX-42
> and a Zenith 7000 and who could forget the CV-157...
>
> Sean :-)
>
>
>
> -----
>
> Date: Thu, 7 Sep 1995 18:50:09 -0400 (EDT)
> From: Steve Ellington <n4lq@iglou.com>
> To: KC5IJD@aol.com
> Subject: Re: Tube substitutions
> Message-ID: <Pine.SOL.3.91.950907184624.23831B-100000@iglou>
>
> > >
> > >6BA6
> > >6BE6
> > >6EJ7
> > >6EV7
> > >12BA6
> > >12BY7A
> > >12AX7A
> >
> >Today I ordered the following tubes from International CC. Phone nr.
> 800-645-9154.
> >
> 6hs6 \$4.60
> 6ak5 3.45
> 12be6 3.85
> 6gx6 3.57
> 12by7 \$12.65
>
> Those by7's are expensive but my local electronic supply store quoted \$21.
>
>

> >
>
> Steve
> n4lq@iglou.com
>
>
>
>
>
> -----
>
> Date: Thu, 7 Sep 95 11:57:15 CDT
> From: Michael.J.Knudsen@att.com
> To: boatanchors@theporch.com, davidb@ce.washington.edu
> Subject: Re: Capacitance-Resistance-Ratio bridge
> Message-ID: <9509071657.AA02344@bock.ih.att.com>
>
> Sounds like the same design as my old EICO R/C bridge/tester.
> You can use it to measure Rs and Cs, and even Ls to some extent.
>
> The secret, at least of my EICO, is to adjust the big dial until the
> wide-open eye tube just *starts to close*. The fully-closed point
> doesn't mean anything. Of course, your Pyramid's mileage may vary.
>
> Noramlly the instrument balances the test R or C against an internal standard,
> but you can put your own known part on the EXTERNAL posts and balance it
> against the unknown part. Handy for Ls.
>
> A major usage is for reforming electrloytics, using the ELECT. LEAKAGE fcn.
> Turn up the TEST VOLTAGE control till the eye closes (or the neon lamp glows
> on the EICO); wait for the eye to open, then goose the voltage again, etc.
> I use mine all the time to do this.
>
> BTW, if you try to measure a cap and the eye shadow is all blurry,
> it means the cap is too leaky to bother with.
>
> "You have chosen wisely." Everyone shouod have one of these instruments.
> Heath and maybe Knight sold them as well. 73, mike k w9nrd
>
> -----
>
> Date: Thu, 7 Sep 1995 16:05:14 -0700 (PDT)
> From: "David W. Barts" <davidb@ce.washington.edu>
> To: boatanchors@theporch.com
> Subject: Re: RG-214/Surplus Sales Question
> Message-ID: <Pine.HPP.3.91.950907155813.1483G-100000@atlas.ce.washington.edu>
>
> I use it at home. 50-ohm, double-shielded, both shield and center

> conductor are silver plated.
>
> Be aware that unless you have the skills of a Houdini, you are NOT going
> to be able to use PL-259 connectors with it. The extra shield increases
> the diameter just enough so that it won't fit. You can use PL-259/A (note
> the /A - very important) connectors if you can find them. PL-259/A is
> "split" where it slides over the cable insulation, so it can accommodate
> the greater diameter (then you attach a compression sleeve and tighten a
> set screw to secure it).
>
> Else, stick to N or C connectors.
>
>
> David Barts N5JRN UW Civil Engineering, Box 352700
> davidb@ce.washington.edu Seattle, WA 98195-2700
>
>
> -----
>
> Date: Thu, 7 Sep 1995 18:14:52 -0500 (CDT)
> From: Kevin J Pease <kevin@mm1001.theporch.com>
> To: boatanchors@theporch.com
> Subject: SX-122A2
> Message-ID: <Pine.LNX.3.91.950907181345.24180C-100000@mm1001.theporch.com>
>
>
> Does anyone have an SX-122A for sale or trade ? I would like to find one
> of those.
>
> Kevin J Pease
> WB0JZG Mt Juliet, TN.
> mm1001.theporch.com
>
>
> -----
>
> Date: Thu, 7 Sep 1995 15:26:17 -0800 (PST)
> From: wa6jpr@engsrv.qsc.com (Wally Linstruth - WA6JPR)
> To: boatanchors@theporch.com
> Subject: Re: Wired Telegraphy (Common Carrier)
> Message-ID: <9509072326.AA16328@engsrv.qsc.com>
>
>
> > Paul wrote...
> > >
> > > How about using a 100 to 200-watt audio amp to drive two
> > > buried rods far enough apart to look like 4 ohms or so, and
> > > communicating with other like-minded individuals having a similar

> > > setup plus some kind of receiving apparatus? Never tried this,
> > > but always wanted to.....
> > >
> > > 73,
> > >
> > > Paul, K4MSG
> > >
> >
> > I remember a Pop'tronics article from the early 60's which described
> > doing just that, except they used a buried ground rod and the cold
> > water pipe as the connection points. For a receiver, your buddy
> > connected his magnetic headphones across the cold water pipe and
> > another ground rod. I tried it out at my house when I was in high
> > school, and you could hear something faintly at the house next door.
> > Lots of really neat 60 Hz (60 cycle, ooops...) hum and buzz came along
> > for free. My audio amp really wasn't happy driving such a bizarre
> > load either.
> >
> > 73, John WA1HNL
> >
> My next door neighbor and I read the same article and tried it with
> similar results. If I remember right, we didn't have much wire
> so we used a couple of screwdrivers stuck in the ground. My Grommes
> 10 watt amp never said anything, so I couldn't tell if it was happy
> or not :-).
>
> wa6jpr@qsc.com - Wally
>
>
> -----
>
> Date: Thu, 07 Sep 95 18:39 CDT
> From: TOM.A.ADAMS@mail.admin.wisc.edu
> To: boatanchors%theporch.com@vms.macc.wisc.edu
> Subject: Re Old Key
> Message-ID: <F97I3924.F97I3935@mail.admin.wisc.edu>
>
> to: boatanchors@theporch.com
>
> Re. Dave Ingram having never heard of the key:
>
> That doesn't surprise me in the least. Dave Ingram writes "coffee table" books,
> and not very good ones at that. "Keys, Key, Keys" is his best effort to date,
> and THAT'S kinda pitiful.
>
> I've never heard of the key or company either, but I'm just a small time coll-
> ector; I don't claim to be the Great Guru of Key Collecting.
>

> I'd direct the question to Neal MacEwan, a subscriber of this list.

>

> Tom, K9TA

>

> -----

>

> Date: Thu, 7 Sep 95 12:07:21 CDT

> From: Michael.J.Knudsen@att.com

> To: KB9VU@aol.com, boatanchors@theporch.com

> Subject: Re: Tube substitutions

> Message-ID: <9509071707.AA02364@bock.ih.att.com>

>

> Well, the 6BA6 and 6BE6 are so common that folks usually try to sub

> those for something more exotic.

> But as mentioned earlier, a 6BZ6 will upgrade a 6BA6 but the cathode and
suppressor

> pins have to be wired to the same thing.

>

> 12BA6 was used in every All-American Five from early 50s to the end of tube era,
> so there are billions around.

>

> 12AX7 family is still around for hi-fi and git-tar and jukeboxes.

>

> As for the others, I agree you should be thinking ahead. Get a tube sub
handbook

> if you can find one.

>

> I'm already wondering about the oddball color-TV dual-function tubes in

> the KWM-2. Probably ought to start stocking those. 73, mike k

>

> -----

>

> Date: Thu, 07 Sep 95 18:55 CDT

> From: TOM.A.ADAMS@mail.admin.wisc.edu

> To: boatanchors%theporch.com@vms.macc.wisc.edu

> Subject: Carrier Current Stations

> Message-ID: <F97I5529.F97I5532@mail.admin.wisc.edu>

>

> to: boatanchors@theporch.com

> to: boatanchore@theporch.com

>

> Hello Gang.

>

> Somebody mentioned carrier current stations. I was the harried chief eng-
> ineer of such an operation in college.

>

> I can sum up the technology in two words;

>

>
> Even when you get this matching system working, you're not done. Every time
> the campus electricians make a major change to thier system (add an air cond-
> itioner, remove some mercury vapor lamps, etc.) they cause a major change to
> the AC line's RF impedance! There were even major shifts when the seasons
> changed; switching off air conditioning and switching on furnaces, for examp-
> le.

>
> After dealing with that outfit, I wouldn't touch a carrier current system
> with a ten foot pole! Life's too short.

>
> 73's,

>
> Tom, K9TA

>
> -----

>
> Date: Thu, 7 Sep 1995 15:53:28 -0700 (PDT)
> From: Steven Wilson <randyw@crl.com>
> To: Dave Emery <die@pig.die.com>
> Cc: Multiple recipients of list <boatanchors@theporch.com>
> Subject: Re: Wired Telegraphy (Common Carrier)
> Message-ID: <Pine.SUN.3.91.950907154748.16720A-100000@crl10.crl.com>

>
> Hi Dave, If you had tried the RTTY (AFSK) you would have found it worked
> very well. I worked for a firm that built wireless speakers back in
> the 1970's. The transmitters were high power audio amplifiers and the
> receivers were low power audio amplifiers. You need an inductor as
> the input on the receivers. Various core materials can be used. Soft
> iron being one of the better ones with mu metal being the best.

>
> I was able to run simplex ASCII systems using the setups. What is really
> great is to connect the transmitter amplifier to the steel structure of
> a modern building. It worked better than a VHF/UHF system.

>
> Also the system would work better in poor soil (poor conductor) than it
> would with a good soil or high moisture soil.

>
> de stan ak0b

>
> -----

>
> Date: Thu, 7 Sep 1995 20:10:13 -0500 (CDT)
> From: Neal McEwen <nmcewen@metronet.com>
> To: turinib@wdni.com
> Cc: boatanchors@theporch.com
> Subject: Re: Need info on old key

> Message-ID: <199509080110.AA17375@metronet.com>
>
> >
> > Manufactured by
> > O.M. Thomas Electric Co.
> > St. Louis, Mo.
> >
> > No serial number. The base is shiney black paint (?) with a fine gold line
> > 1/4" in from the edge that goes all around the top. Mechanism is nickel
> > plated.
>
> OK,... I know a little about the Thomas bug but not much. It was one
> of a family of "Chinese copies" of Vibroplex. Several manufactures saw
> how lucrative selling bugs could be, watching Vibroplex. Vibroplex
> had the patents sewed up, period. You either had to patent a new and
> different way to make dots, which did not work as well as the Vibroplex
> design,... or you made bugs in violation of the Vibroplex patents. This
> all happened in the years before WWI. Vibroplex tried to shut them
> down, even going so far as to make any other bug but theirs "illegal".
> They even profitted from the "illegal" bugs by selling a add on label
> for \$2 that said something to the effect that this bug is now legal.
> I have two bugs in my collection that are so labeled. O.M.Thomas was
> joined be A-to-Z, the most prolific and flagrant, Mt. Auburn Specialty
> company, MacDonald, Thomas J. Dunn, who made the Dunnduplex, and many
> others.
>
> >
> > I corresponded with Dave Ingram, and he said that he had never seen or heard
> > of one.
>
> You must understand that Dave is a writer and not a collector.
>
> > I had it at a hamfest and a guy said:
> >
> > "It's not all original, you know. I have several in my collection.
> > Not worth much.
> > I'll take it off your hands for \$5."
> >
> The Thomas bug is not real common. If you are a collector it is a
> nice piece and very represetative of the "Chinese copies". Keep it
> or trade it for something you want.
>
> --
>
> 73 de K5RW - Neal McEwen - Richardson, TX (Dallas)
> ***** I collect old telegraph and wireless telegraph keys *****
> amprnet - k5rw@k5rw.ampr.org - home (214) 234-1653
> HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP

> HomePage - http://fohnix.metronet.com/~nmcewen/techno_weenies.html

>

> -----

>

> Date: Thu, 7 Sep 95 22:12:24 EDT

> From: Andy Wallace <wallace@mc.com>

> To: boatanchors@theporch.com

> Subject: S-38B follow-up

> Message-ID: <9509080212.AA00625@kali>

>

> Well, my S-38B now plays much nicer!

>

> The crackling tube culprit turned out to be the 12SQ7. I got

> a replacement at the Gardner MA ham flea and now the set

> plays pretty well. I will probably take it to the next local

> SWL meeting.

>

> I tried the bum 12SQ7 on the TV-7, and no amount of tapping

> induced the noise present in the receiver. (It did seem to

> make the needle flick on the cheap emission tester I have.)

> Since I don't have the ops manual for the TV-7, could someone

> give me the noise test procedure, as far as what to connect to

> the two "NOISE" pin jacks? I have some old pin-jacked headphones

> but I don't want to just wing it. Supposedly you can feed the

> output to an audio amp or radio, and I would like to know how.

>

> --Andy

> wallace@mc.com

>

> Curly: Oh, short wave? Moe: no, poimmanent! <BONK>

>

>

> -----

>

> Date: Thu, 7 Sep 95 22:14:24 EDT

> From: Andy Wallace <wallace@mc.com>

> To: boatanchors@theporch.com

> Subject: Little knob spring inserts

> Message-ID: <9509080214.AA00629@kali>

>

> Geez, folks, this sounds like a perfect application for a Campbell's

> soup can and a pair of tin snips. Make inserts for all your knobs,

> and Surplus Sales won't be the wiser!

>

> --Andy

> wallace@mc.com

>

> ..what's the Gm of a toothpaste tube?

>
> -----
>
> Date: Thu, 7 Sep 1995 21:28:02 -0500 (CDT)
> From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>
> To: boatanchors@theporch.com
> Subject: Please, Gang... Careful with your replies
> Message-ID: <9509072128.aa29646@jackatak.theporch.com>
>
> Gang-
>
> There have been several posts lately that were *clearly* intended to
> go to a single person as private email that "somehow" managed to show
> up on the list.
>
> PLEASE be careful... it is kinda bad manners to start negotiating for
> a sale/deal in a public forum, and while I am sure it was not
> intentional, how's about we all take a bit more care with what we
> post.
>
> Use a simple guideline:
>
> *IF* there is any question at all about the appropriateness of your
> post, figure it probably IS NOT appropriate to the list, and DON'T
> send it!
>
> Simple. To the point. Keeps the responsibility on the poster, where it
> belongs, and keeps me from taking up bandwidth... ;^)
> --
> 73
> Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
> - - - BoatAnchor Mailing List Archiver/Owner - - -
> firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com
>
>
> -----
>
> Date: Thu, 07 Sep 95 22:52:17 EDT
> From: digger@phantom.com (Lenny Tamulonis)
> To: boatanchors@theporch.com
> Subject: Looking for Gonset II/III
> Message-ID: <uT03aD1w165w@mindvox.phantom.com>
>
> Looking for a 2-meter Gonset II or III. Preferably one of the yellow CD
> boxes. Should be cosmetically good and electronically restorable.
> Thanks!
>
>

> My \$.02 worth, and worth every penny!

>

> -----[digger@phantom.com]-----

>

>

>

> -----

>

> Date: Thu, 7 Sep 1995 21:12:04 -0400

> From: W7FG@aol.com

> To: boatanchors@theporch.com

> Subject: FS: Hammarlund HXL-ONE

> Message-ID: <950907211149_93875548@emout04.mail.aol.com>

>

> Hammarlund HXL-ONE linear amplifier for sale.

> In good condition, asking around \$200-\$250.

> Call Glenn at 918-336-0517 in the evenings or on weekend.

>

>

> -----

>

> Date: Thu, 7 Sep 1995 21:34:32 -0400

> From: W3BJZ@aol.com

> To: boatanchors@theporch.com

> Subject: Gaithersburg Hamfest

> Message-ID: <950907211224_13655554@mail06.mail.aol.com>

>

> For general information - I spoke to a representative of the Gaithersburg

> Hamfest Committee this evening and was notified that the grounds will be open

> from 2 PM to 12 Midnight on Saturday. One can buy his/her tickets at that

> time: \$5.00 general admission per person; \$10 tailgating; and \$20 for indoor

> space.

> The grounds will be secured after Midnight.

> I hope this information is helpful for those going to Gaithersburg this

> weekend.

>

> Dave, W3BJZ

>

> -----

>

> Date: Fri, 8 Sep 95 00:13:39 EDT

> From: Andy Wallace <wallace@mc.com>

> To: Michael.J.Knudsen@att.com, boatanchors@theporch.com

> Subject: Re: Tube substitutions

> Message-ID: <9509080413.AA00712@kali>

>

>

> ----- Begin Included Message -----

>
> From: Michael.J.Knudsen@att.com
> To: Multiple recipients of list <boatanchors@theporch.com>
> Subject: Re: Tube substitutions
>
> As for the others, I agree you should be thinking ahead. Get a tube sub
> handbook if you can find one.
>
>
> ----- End Included Message -----
>
>
> Antique Electronic Supply in Tempe, AZ (probably in the boatanchors
> FAQ) has a tube substitution book. I'm not near the catalog right now but
> the price seems reasonable.
>
> --Andy
> wallace@mc.com
>
> -----
>
> Date: Thu, 7 Sep 1995 20:50:34 -0700
> From: n6nae@ix.netcom.com (Richard Humphrey)
> To: boatanchors@theporch.com
> Subject: FS: BC-669 Xmit XTAL
> Message-ID: <199509080350.UAA29509@ix6.ix.netcom.com>
>
> I picked up a box of odds & ends at a swap, and one of the odder ends
> in it was a crystal for a BC-669. I took a look at the writeup on this
> set in ER #30 and concluded that I probably wouldn't be hauling home
> one of these sets in the near future. So, anybody want this piece for
> the cost of postage?
>
> It's a black plastic holder, marked: "DC-34 XTAL 3700 KC
> FOR BC-669-XMTR
> QUARTZ LABS INC.
>
> The back has ancient masking tape on it. If there's more than one
> claim on it, I'll draw a name from the hat on Monday.
> Richard
> N6NAE@IX.NETCOM.COM
>
> -----
>
> Date: Fri, 8 Sep 95 01:21:53 EDT
> From: Andy Wallace <wallace@mc.com>
> To: flasch@cushy.eecs.nwu.edu, boatanchors@theporch.com
> Subject: boatanchor manufacturers of consumer audio/video

> Message-ID: <9509080521.AA00766@kali>

>

>

> A local friend has an example of a National AM/FM tuner/preamp.

> I don't remember if it has any tubes in it, but I know the

> preamp part is solid state. Very late-50s looking!

>

> --Andy

> wallace@mc.com

>

> ..my AM kW can beat up YOUR AM kW! :-)

>

> -----

>

> Date: Fri, 8 Sep 95 00:33:39 CDT

> From: bill@texan.frco.com (William Hawkins)

> To: boatanchors@theporch.com, wallace@mc.com

> Subject: Re: Tube substitutions

> Message-ID: <9509080533.AA06736@texan.frco.com>

>

> Fair Radio also sells a repro of a military substitution manual.

> I remember it being large, and over \$20.

>

> -----

>

> Date: Thu, 07 Sep 95 23:39 CDT

> From: TOM.A.ADAMS@mail.admin.wisc.edu

> To: boatanchors%theporch.com@vms.macc.wisc.edu

> Subject: BA Sighting!

> Message-ID: <F97N3940.F97N3950@mail.admin.wisc.edu>

>

> to: boatanchors@theporch.com

>

> Troops,

>

> I was going thru my videotape movies with an eye toward transferring hard

> to find ones from Beta to VHS, and I hit a BA bonanza.

>

> Check out the old John Wayne flick "The High and the Mighty" (1954). It may

> be available at your local video emporium.

>

> Among the boatanchors I could identify was:

>

> - a working APN-4 radio altimeter (on screen during final approach)

> - a BC-375 (mainly set dressing)

> - a LORAN-A receiver scope (designation uncertain)

> - a TDE or TCK transmitter (never could remember those Navy handles)

> - an S-38 (probably no suffix, A, or B version)

- > - a Hallicrafters R-47 speaker
- > - an MN-26 RDF control box
- > - MANY model 12 and 15 Teletypewriters

> In addition, there is some "stock" footage of the US Coast Guard Rescue
 > Coordination Center, Alameda, CA (circa 1950s), a USCG Martin "Mariner"
 > flying boat (??? not too good on amphibian identification), and a USCG B-17
 > long range patrol aircraft.

> BTW, periodically there has been some question raised here about the Nat-
 > ional receiver installed in the B-17 "Mary Ann" in the movie "Air Force". I
 > recently saw something about it, and about a lot of the boatanchors seen in
 > WW2 period "propaganda" films.

> I can't say for sure, but I think the Mary Ann's receiver is a National
 > 1-10. It, and many other period BAs, were whatever the prop people could find
 > as high tech looking set dressing. The movie makers were PROHIBITED from film-
 > ing the actual gear because of security regulations, so they had to make do
 > with whatever gear they could find. Remember, in 1942 a lowly BC-348 was a
 > pretty sophisticated chunk of military communications gear, and bringing a
 > camera anywhere near it made some folks in the War Department nervous. This
 > feeling was made even sharper by the general paranoia in the military caused
 > by Pearl Harbor, and by the discovery of a German spy ring in New York City
 > that was doing essentially industrial/technical espionage in 1941.

> BTW, other BA sightings:

- > - Hammarlund SP-210 (???) in Woody Allen's "Radio Days" (installed in the
 > rear of a broadcast remote pickup vehicle).
- > - RCA AR-88, Teletype Mod. 15, and numerous bits and pieces of surplus radio
 > junk in Humphrey Bogart's "Chain Lightning" (at Alaskan weather station;
 > same gear shows up in Washington National Airport set). Check out the
 > butchered BC-348 installed in the mobile commo truck in the opening!
- > - BC-191 or BC-375, carried as a portable field radio (!) by a shore party
 > of spies in Cary Grant's "Destination Tokyo". If you think a BC-375 as a
 > portable is a bit of odd gear issue, check out John Garfield's weapon;
 > since when are WW2 submariners issued Winchester 94 lever action rifles?

73's,

Tom, K9TA

> -----
 >
 > End of BOATANCHORS Digest 203

> *****

— —

```
> Anybody try calling Drake???? A couple years ago I bought a new
> cabinet and front panel for my 2BQ along with 2 new knobs. I mean
> Drake is an American outfit and knows about service after the sale!!
```

>

the number for the Drake parts depot is 1-513-866-3211.
i have been able to get parts for my 20 year old C-line
with no sweat.

--

73 de K5RW - Neal McEwen - Richardson, TX (Dallas)
***** I collect old telgraph and wireless telegraph keys *****
ampnet - k5rw@k5rw.ampr.org - home (214) 234-1653
HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP
HomePage - http://fohnix.metronet.com/~nmcewen/techno_weenies.html

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: KS0F@aol.com
Subject: Re: Drake C line Knobs
Message-ID: <950908111704_14095425@mail04.mail.aol.com>

OK OK,

I called,,,,,,,,Drake has main tuning knobs for the TR7 available
not the Cline. They are identical except the knob depth is slightly
thinner (1/t 1/8th inch). part number 345 04 30 at \$3.68 each.

Since I currently own no Drake gear, I did the only thing a true
Boatanchorite could do,,,,,,,,,,,,I ordered 4.

Go get em guys.

73 Mike KS0F

P.S. S\$H is about \$8.00

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Gaithersburg Hamfest
Message-ID: <9509081314.AA20016@syseng1.se.melpar.esys.com>

>For general information - I spoke to a representative of the Gaithersburg
>Hamfest Committee this evening and was notified that the grounds will be open
>from 2 PM to 12 Midnight on Saturday.
>The grounds will be secured after Midnight.

How early can we get in the gate on Sunday morning? I wanna
check out the ARC-5s early, before the good ones are gone.....
;-)

73,

Paul, K4MSG

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: RE: Gaithersburg Hamfest
Message-ID: <34151.owen@apollo.eeel.nist.gov>

In message Fri, 8 Sep 1995 08:17:01 -0500 (CDT),
pbock@melpar.esys.com (Paul H. Bock) writes:

>
>>For general information - I spoke to a representative of the Gaithersburg
>> Hamfest Committee this evening and was notified that the grounds will
>> be open from 2 PM to 12 Midnight on Saturday.
>> The grounds will be secured after Midnight.
>>
>
> How early can we get in the gate on Sunday morning? I wanna
> check out the ARC-5s early, before the good ones are gone.....
> ;-)

Gates open at 6AM and commercial buildings open at 8AM.
Note a change on prizes from past years. "Picture ID REQUIRED to claim
prize"

73 K4CGY

James C. Owen, III
National Institute of Standards & Technology (NIST)
Bldg 225/B360
Gaithersburg, MD 20899
1-301-975-5623

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: Nick England <nick@cs.unc.edu>
Subject: Johnson 500 questions
Message-ID: <199509081327.JAA15945@altair.cs.unc.edu>

I finally acquired one of these jewels but, having never seen one
up close and personal before, have a few questions. If you have one or
have experience with one, I'd appreciate the help:

Johnson Viking 500

1) What does the meter select knob look like ? Mine has a 1" standard
Johnson knob (like a Ranger knob), but the manual I have shows a metal
knob with handle (like the freq range select on the desk KW). A photo

in some later advertising literature appears to have a small metal knob without handle.

2) I am missing the crystal socket cover plug - what size knob is attached to the plug ? the same size as the others ? 1-5/8" I think.

3) I am missing the terminal strip cover on the ps/mod deck. How did the cables exit this metal cover ? Was there any sort of strain relief for the power cord ?

4) What does the main filament power switch look like - mine has a toggle switch, but the photo looks like a key switch as in the desk KW.

5) I have an extra 4-pos. switch added just to the left of the VF0/C1/C2 switch - I haven't been inside yet, but I assume this isn't standard and was probably added by someone to select CB xtals sometime. Have you seen such a thing before ?

many thanks,
Nick KD4CPL
nick@cs.unc.edu

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: Line to Voice-coil Transformer?
Message-ID: <v02110121ac7618777ad5@[140.243.30.128]>

>Can anyone suggest a source for a 600 ohm to 4-8 ohm audio matching
>transformer?

Fair Radio will sell you one from an LS-166 speaker for \$8.50. Part number is T1/LS166. Or you can buy a used LS166 for \$15, or a new one for \$24.

Alternatively, you can use a 70 volt line PA transformer, available at Radio Shack.

Regards,
-Steve

Steve Byan
Hitachi Computer Products (America), Inc.
1601 Trapelo Road
Waltham, MA 02154

internet: steve@hi.com
phone: (617) 890-0444
FAX: (617) 890-4998

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: wendler@tomcat.adc.ray.com (John Wendler)
Subject: Neat source, carrier current
Message-ID: <9509081506.AA17753@tomcat.adc.ray.com>

Er, my memory wasn't working so hot when carrier current got turned into common carrier... It sounded like a terrible technology, but whaddya gonna do when ya just gotta pound that brass and the military has shut down the airwaves?

Anyway, I thought I'd post the neat place that I came up with that '44 Handbook:

The Antique Lover
RT 30 - Mayfield, N.Y 12117
518-661-6424
Dick and Terry Peters

Dick is a ham and BA collector. I also picked up '52, '54, '61, '68, '70 Handbooks; Supreme Publishing's MOST OFTEN NEEDED RADIO DIAGRAMS 1926-38 and 1942; a GE TECH MANUAL (Metal and Glass Type Receiving Tubes), and the Receiving Tube Substitution Guide Book (1st Edition) by H.A. Middleton, Rider Publishing, 1950. The last is a *real* gem; it not only gives you plug compatible substitutions, but tells you how to rewire a socket to use a similar but differently pinned tube! Sorry, no Alfred Morgan; Dick even checked his personal library for me!

Mayfield is in Upstate New York, and those of us who have lived in Syracuse and Utica do not bandy that term about lightly. (Sorry, New York City, Westchester County *does not* qualify!) Dick is located about 40 minutes north of the Amsterdam Thruway exit. He is an old time gent, and frequently has old radio magazines and service manuals. (He was reading a 1937 Popular Mechanics when I came in the door, so that will give you a feel...)

I spotted a big box Simpson VTVM with 1" diameter probe, several 1940's broadcast table radios, some boy's radio stories, and a "frequently needed" TV schematic collection as well.

Gotta get back to work,

John

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: dma@IslandNet.com (Jan Skirrow)
Subject: New Life for Old Speakers
Message-ID: <m0sr5z1-0005WRC@island.amtsgi.bc.ca>

I'm in the final stages of restoring a 1930 receiver. The remaining problem is the speaker cone - which not surprisingly isn't in great shape - somewhat warper and very, very dry.

Does anyone have suggestions about how the cone might be rejuvenated? I'm not looking for "like new" but just to restore some of its flexibility. I'd prefer to try to restore it before attempting to re-cone it.

Jan Skirrow
VE7DJX

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: jproc@worldlinux.com
Subject: RE: RTTY Demodulator - HAL ST-6
Message-ID: <Chameleon.4.01.2.950907124442.jproc@>

>I have a two HAL ST-6 RTTY demodulators that I am attempting to restore to
>keep a Model 28 and a Model 33 on the air. One unit has been converted to
RS
>232 operation and does not want to cooperate in returning to its original
>intended use. This unit does have the AFSK add-in. This unit and the
Model
>33 belong to the Radio
>Club of Tacoma and I would like to get it working for the museum. The
second
>unit is working however it does not have the AFSK add-in. The second unit
and
>the Model 28 belong to me.

Brian,

I don't have any gear to offer you, only suggestions. I suppose you could remove the AFSK option from the broken (RS232) unit and install it in your own ST-6. This reduces the problem by one-half immediately .

If you have difficulty in locating another ST-6, perhaps one solution may be to use a simple, dedicated demodulator box such as the Flesher TU170. It seems ideal for your application. This RTTY unit is equipped with 170 Hz (shift) audio input, scope output for tuning and a 60 ma current loop output. It's equipped with a meter for signal tuning. I have one aboard ship and it works great with the TTY15's. Maybe this unit might be easier and less costlier to obtain in the used marketplace than the ST-6. I paid \$50 for one two years ago.

Regards,

Jerry Proc, VE3FAB
Radio Restoration Volunteer
HMCS Haida
E-mail: jproc@worldlinx.com
Toronto, Ontario

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: KC5IJD@aol.com
Subject: Re: Tube substitutions
Message-ID: <950908063749_13961465@mail06.mail.aol.com>

>I'm already wondering about the oddball color-TV dual-function tubes in
>the KWM-2. Probably ought to start stocking those. 73, mike k

Yes, the 6AZ8 in particular can be difficult to find. I would locate as many of those as I could need in the future.

So too can the 6BN8. However, I just picked up 100 of them so I don't think I will have to worry.

I also suspect that Uncle Sam still has quite a few of these still in some storage facility - intended as spares for the KWM-2s the military used for years.

I don't find the 12BY7 hard to find at all though. Do many of you have a different experience?

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@aol.com

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: Re: Tube substitutions
Message-ID: <31292.owen@apollo.eeel.nist.gov>

In message Fri, 8 Sep 1995 00:40:14 -0500 (CDT),
bill@texan.frco.com (William Hawkins) writes:

> Fair Radio also sells a repro of a military substitution manual.
> I remember it being large, and over \$20.
>

You might also try NTIS. The manual I use was produced by my division here at NIST when we also set tube standards. It is Handbook #103 by the National Bureau of Standards issued September 29, 1967 the title is "Tabulation of Data on Receiving Tubes". It's possible that NTIS still has it in stock and I'll check the library stacks when I get time to see if any still exist here. 73 Jim K4CGY

James C. Owen, III

National Institute of Standards & Technology (NIST)

Bldg 225/B360

Gaithersburg, MD 20899

1-301-975-5623

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995

From: Al Klase <alklase@village.ios.com>

Subject: Re: Tube substitutions

Message-ID: <Pine.BSD.3.91.950908113932.20920A-100000@village.ios.com>

I'm going to add my "dos centavos" to the tube substitution brouhaha:

The tubes mentioned in the original post are relatively plentiful so hoarding might not make a lot of sense. But, picking some up when the price is right is probably a good idea. These tubes are all over the place at hamfests for a buck or two.

NEVER replace a remote-cutoff pentode in an RF or IF amplifier, e.g. 6BA6, with a sharp-cutoff tube, e.g. 6AU6. It won't cause any lasting damage, but the AGC will be completely hosed. Symptom will be overloading (audio distortion) on strong signals. There may be a case for sneaking a semi-remote-cutoff tube, like a 6BZ6, into the first RF stage of a receiver; but only if low noise on ten meters is of tantamount importance. In a sophisticated instrument like an SP-600 it's easy to make a bad substitution and still believe the set works "just fine." The designers chose each tube for specific reasons so don't mess with it unless you really understand and can EVALUATE the effects of the change.

There are commercial and military equivalents for many of these tubes that ARE perfectly acceptable substitutes. These usually have minor modifications to achieve longer life, increased mechanical ruggedness, low microphonics, etc. I usually feel pretty good when I replace a tired 6BA6 with a JAN 5749.

Unless someone beats me to it, I'll work up a list of equivalent tubes and post it.

73, Al N3FRQ

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: GALBRAITH CHRISTOPHER <99galbra@lab.cc.wmich.edu>
Subject: Tubes wanted--buy or trade?
Message-ID: <Pine.3.89.9509081234.B7168-0100000@grog>

Howdy gang, here's my tube want list--not much, but worth shouting 'fer...

7581A
6L6GC (or EL37)
807
6SN7GTB
6SL7GTB
5V4G

Trades welcome! I have mucho GE 5U4GB, NOS Sweep tubes (6JB6, etc...), minis.

73, Chris, KA8WFC

From boatanchors@theporch.com Fri Sep 8 13:12:00 1995
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: xtal available
Message-ID: <199509081519.IAA10700@ix9.ix.netcom.com>

In going through my bag of xtals the other day I discovered a crystal someone out here is looking for. Its for the RCK receiver and i marked as follows:

NAVY TYPE
CRV40125-CRV
Crystal Freq
14.233 MC
NXss-26192

Now this rare gem is in a FT-243 type holder and marked on the top is:

RCK RECVR
Chan Freq:
116.10 MC.

Was this receiver used in the Air Navigation region of the spectrum apparently during the 40s etc?

At any rate thei marvolous gem and one of a kind evidently can be your for the paltry sum of "postage paid". Don't delay. You could be missing out on a true collectors item. Now you wouldn't want to do that would you?

Larry W00GH@ix.netcom.com